

**WNYRIC / Erie 1 BOCES
Disaster Recovery-Business Continuity Plans
As of June 27, 2008**

1. Summer 2006-Disaster Recovery Committee formed with a membership of 20 key staff members.
2. Spring 2007-Disaster Recovery Steering Committee formed. There are 7 members on this committee, including Technology Services Division Director.
3. September 2007-DR-BC initiatives were added as Goal 5 of the E1B Technology Plan. This goal states: Ensure E1B Communications, and WNYRIC Infrastructure are able to provide Disaster Recovery (DR) and Business Continuity (BC) to all E1B operations and services.
4. February-May 2008-Meetings held to plan a project with the DR consultant, Consilium 1.
5. March 2008-Plans and activities for DR-BC of WNYRIC services organized into a DR plan database include:
 - System and application inventory
 - Recovery priority
 - Vendor contact information and WNYRIC managers and support staff
 - Critical dependencies
 - Disaster prevention and mitigation activity list
6. March 2008-WNYRIC's 793 Plan for 2008-09 (for NY SED) includes objectives, goals, and activities for Technology Services Infrastructure fee structure; OBJECTIVE 11-COSER 7710: Enhance Disaster Recovery & Business Continuity Plans and Procedures.

7. Existing Infrastructure components:

- Uninterruptible Power Supply (UPS)-1993
- AC systems(2007)- with adequate excess capacity to permit failure of certain components without losing environmental integrity
- Automatic Halon fire suppression system (1995)-tested annually
- Diesel powered back up generator (2006) for all server and environmental equipment
- Virtual server and storage environment
- Rapid Broadcast Communications System (telephone, email, fax)
- IBM Enterprise server DR recovery contract for a warm site with Sungard, tested annually
- 24 X 7 alarm monitoring of server room by Advanced Safety for heat, smoke, water and power
- Backups performed nightly and stored off site
- Gartner contract for research to identify best DR practices and systems
- Knowledge sharing among RIC Directors and Technical Coordinators statewide regarding DR issues
- Application DR Plan book has server recovery priorities (i.e. critical applications restored first, non-critical restored last), vendor contact information and responsible WNYRIC staff identified
- 24 X 7 network and ISP monitoring

8. Planned actions, components and upgrades for FY09:

- Upgrade UPS for primary server room
- Establish secondary facilities for network equipment, virtual and physical servers
- Redesign network to route traffic through both data centers, incorporating automatic rerouting of network traffic in the case of failure at either site
- Decentralized district firewalls to minimize disaster impact
- Purchase DR planning software tools
- Continue to migrate physical servers to virtual environment to facilitate DR plan
- Consultation with Consilium1 for DR planning services
- Define and staff a DR service team